

FOUR WHEEL DRIVEN VEHICLE

Patent number: JP62295729
Publication date: 1987-12-23
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Classification:
- **international:** (IPC1-7): B60K17/352
- **european:**
Application number: JP19860139169 19860617
Priority number(s): JP19860139169 19860617

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Abstract of JP62295729

PURPOSE: To make a construction which makes changeover from 4-wheel drive to 2-wheel drive or vice versa unnecessary, by providing a rear side drive shaft with two differential gears and providing each of said differential gears with a regulating means which regulates the rotating speed of a shaft extended to a left or a right wheel. **CONSTITUTION:** A front side drive shaft 14 is provided with 1st differential gear 22, and a rear side drive shaft 18 is provided with 2nd and 3rd differential gears 24, 26. Said rear side drive shaft 18 consists of 3 shafts, 19a, 19b, 19c, and a pinion 50 fixed on a propeller shaft 12 forced to with a ring gear 52 fixed on said shaft 19a. The first regulating means 54 is installed in order to regulate the rotating speed of the shaft 19b which extends from said 2nd differential gear to a left wheel 20, while the second regulating means 56 is installed in order to regulate the rotating speed of the shaft 19c which extends from said 3rd differential gear to a right wheel 20. Each of said regulating devices 54, 56 is controlled by a control device 70 according to the rotational speed difference between the left and the right wheels.

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